Annals of the Rheumatic Diseases

The EULAR Journal

VOLUME 61 • 2002

Editor: Leo van de Putte (Nijmegen)
Associate Editors: Thomas Bardin (Paris), Gerd Burmester (Berlin), Frank Wollheim (Lund), Tony Woolf (Truro)
Methodological Adviser: Paco Welsing (Nijmegen)
Technical Editor: Valerie Crean (London)
Editorial Assistant: Christine Janssen-Seijkens (Nijmegen)

EDITORIAL BOARD
Paul Bacon (Birmingham)
Wim van den Berg (Nijmegen)
Maarten Boers (Amsterdam)
Barry Bresnihan (Dublin)
Maurizio Cutolo (Genova)
Maxime Dougados (Paris)
Gary Firestein (San Diego)
Wolfgang Gross (Lubeck)
Mieke Hazes (Leiden)
Gabriel Herrero-Beaumont (Madrid)
Marc Hochberg (Baltimore)
Christian Jorgensen (Montpellier)
Tore Kvien (Oslo)
Marjatta Leirisalo-Repo (Helsinki)
Frank Luyten (Leuven)
Blaž Rozman (Ljubljana)
Hendrik Schulze-Koops (Erlangen)
Josef Smolen (Vienna)
Alex So (Lausanne)
Deborah Symmons (Manchester)
Auli Toivanen (Turku)
Alan Tyndall (Basle)
A Tzioufas (Athens)
Jiři Vencovsky (Prague)
Michael Weisman (Los Angeles)
Patricia Woo (London)
Michael Yaron (Tel Aviv)
Hasan Yazici (Istanbul)
Editor, *BMJ*

ADVISORY COMMITTEE
Bernard Amor (Paris)
Stefano Bombardieri (Pisa)
Ferdinand Breedveld (Leiden)
Leslie Crofford (Ann Arbor)
Jean-Michel Dayer (Geneva)
Marie Christine de Vernejoul (Paris)
Michael Doherty (Nottingham)
John Edmonds (Sydney)
Paul Emery (Leeds)
Øystein Förre (Oslo)
Daniel Furst (Seattle)
Steffen Gay (Zurich)
Joachim Kalden (Erlangen)
Edward Keystone (Toronto)
Lars Klareskog (Stockholm)
Peter Lipsky (Dallas)
Stefan Lohmander (Lund)
Roman Lorenc (Warsaw)
R N Maini (London)
Emilio Martin-Mola (Madrid)
Haralampos Moutsopoulos (Athens)
James O'Dell (Omaha)
Karel Pavelka (Prague)
Josef Rovensky (Piestany)
Yehuda Shoenfeld (Tel-Hashomer)
Walther van Venrooij (Nijmegen)
Eric Veys (Gent)
Thomas Vischer (Geneva)
Allan Wiik (Copenhagen)

eular

BMJ Publishing Group

www.annrheumdis.com

VOLUME 61 · CONTENTS

No 1 JANUARY 2002

Page

Editorial

1 *Annals of the Rheumatic Diseases* redesign *L van de Putte*

Leaders

1 Steroids cause osteoporosis *S Paget*

3 Mesenchymal precursor cells *M Corr, N J Zvaifler*

Hypothesis

6 Could inflammatory arthritis be triggered by progenitor cells in the joints? *C Jorgensen, D Noel, G Gross*

Lesson of the month

10 A case of weak muscles *N Sofat, M Pitcher, A Price, J N El-Jabbour, C S Higgens*

Extended reports

13 Insoluble and soluble immune complexes activate neutrophils by distinct activation mechanisms: changes in functional responses induced by priming with cytokines *G Fossati, R C Bucknall, S W Edwards*

20 The rheumatoid arthritis articular damage score: first steps in developing a clinical index of long term damage in RA *T R Zijlstra, H J Bernelot Moens, M A S Bukhari*

24 Influence of elastic bandage on knee pain, proprioception, and postural sway in subjects with knee osteoarthritis *B S Hassan, S Mockett, M Doherty*

29 Familial systemic lupus erythematosus: the role of genetic and environmental factors*G E Eroglu, P F Kohler*

32 Prevalence of long term steroid treatment and the frequency of decision making to prevent steroid induced osteoporosis in daily clinical practice *B Gudbjornsson, U I Juliusson, F V Gudjonsson*

37 Cyclosporin A and intravenous immunoglobulin treatment in polymyositis/dermatomyositis *M G Danieli, G Malcangi, C Palmieri, F Logullo, A Salvi, M Piani, G Danieli*

42 Screening for amyloid in subcutaneous fat tissue of Egyptian patients with rheumatoid arthritis: clinical and laboratory characteristics *T M El Mansoury, B P C Hazenberg, S A El Badawy, A H Ahmed, J Bijzet, P C Limburg, M H van Rijswijk*

48 Heat shock protein 70 gene polymorphisms in Mexican patients with spondyloarthropathies *G Vargas-Alarcón, J D Londoño, G Hernández-Pacheco, R Gamboa, E Castillo, C Pacheco-Tena, M H Cardiel, J Granados, R Burgos-Vargas*

Concise reports

52 Imaging of tophaceous gout: computed tomography provides specific images compared with magnetic resonance imaging and ultrasonography *J C Gerster, M Landry, L Dufresne, J Y Meuwly*

55 High resolution ultrasound detects a decrease in pannus vascularisation of small finger joints in patients with rheumatoid arthritis receiving treatment with soluble tumour necrosis factor α receptor (etanercept) *M Hau, C Kneitz, H-P Tony, M Keberle, R Jahns, M Jenett*

59 Intravenous immunoglobulins control scleromyxoedema *A Righi, F Schiavon, S Jablonska, A Doria, M Blasczyk,R Rondinone, S Todesco, M Matucci Cerinic*

62 Communication between Dutch rheumatologists and occupational physicians in the occupational rehabilitation of patients with rheumatic diseases *P D M de Buck, R J van Amstel, P C Buijs, J H W Maasen, F J H van Dijk, J M W Hazes, T P M Vliet Vlieland*

66 Can intervention modify adverse lifestyle variables in a rheumatoid population? Results of a pilot study *M-M Gordon, E A Thomson, R Madhok, H A Capell*

70 Autoimmune thyroid disease in systemic lupus erythematosus *D Pyne, D A Isenberg*

73 Usefulness of bone densitometry in postmenopausal women with clinically diagnosed vertebral fractures *J M Nolla, C Gómez-Vaquero, J Fiter, D Roig Vilaseca, L Mateo, A Rozadilla, M Romera, J Valverde, D Roig Escofet*

76 Serum nitrate and nitrite levels in patients with rheumatoid arthritis, ankylosing spondylitis, and osteoarthritis *Y Ersoy, E Özerol, Ö Baysal, I Temel, R S MacWalter, Ü Meral, Z E Altay*

79 Acute phase response in familial Mediterranean fever *C Korkmaz, H Özdogan, Ö Kasapçopur, H Yazici*

82 Rheumatological complications associated with the use of indinavir and other protease inhibitors *E Florence, W Schrooten, K Verdonck, C Dreezen, R Colebunders*

Matters arising

85 Antiphospholipid antibodies and rheumatoid arthritis *A Ambrozic, B Bozic, M Hojnik, T Kveder, B Rozman; M O Jauberteau, C Bonnet*

86 Methotrexate and postoperative complications *A Wluka, R Buchbinder, S Hall, G Littlejohn; D M Grennan, J Gray*

Letters

87 Proximal myopathy and bone pain as the presenting features of coeliac disease *M Wong, J Scally, K Watson, J Best*

88 Plasma and peripheral blood mononuclear cells levels of Zn and Cu among Indian patients with RA *A Wanchu, A Sud, P Bambery, R Prasad, V Kumar*

88 Essential cryoglobulinaemia (type 1) in three patients characterised by Raynaud's phenomenon, arthralgia-arthritis, and skin lesions *J G den Hollander, A J G Swaak*

89 Cryoglobulinaemic vasculitis as presenting manifestation of infective endocarditis *L La Civita, P Fadda, I Olivieri, C Ferri*

90 ANCA antibodies in Graves' disease*M Gumà, A Olivé, M Juan, I Salinas*

91 Lupus relapse after prostaglandin E_1 administration: activation of a cytokine cascade? *M de la Torre, R Alcázar, D Sánchez de la Nieta, J Nieto, I Ferreras, J M Urra*

92 Osteocalcin: a marker of disease activity in ankylosing spondylitis? *A Falkenbach, M Herold*

92 Takayasu arteritis *S Sebnem Kilic, Ö Bostan, E Çil*

93 Recurrent orbital pain and diplopia in a 12 year old boy *F Falcini, G Simonini, M Resti, R Cimaz*

94 Sciatica or spinal lymphoma *F Morcos, E Smith*

94 Unusual complications in the Churg-Strauss syndrome *C Alvarez, V Asensi, A Rodriguez-Guardado, L Casado, P Ablanedo, C Alvarez-Navascués*
95 Notice
95 Forthcoming events

No 2 FEBRUARY 2002

Page **Leader**
97 Atherosclerosis *Y Sherer, Y Shoenfeld*

Lesson of the month
100 Painted black *P G M Maathuis, A P P M Driessen*

Unusual and memorable
102 Case Number 22: An interesting case of herpes zoster in rheumatoid arthritis *E Campalani, G K Meenagh, M B Finch*

Extended reports
103 Fibroblasts from the inner granulation tissue of the pseudocapsule in hips at revision arthroplasty induce osteoclast differentiation, as do stromal cells *H Sakai, S Jingushi, T Shuto, K Urabe, T Ikenoue, K Okazaki, T Kukita, A Kukita, Y Iwamoto*
110 High titres of serum antinuclear antibodies, mostly directed against nucleolar antigens, are associated with the presence of coronary atherosclerosis *D J Grainger, H W L Bethell*
115 Measurement of three dimensional shoulder movement patterns with an electromagnetic tracking device in patients with a frozen shoulder *H M Vermeulen, M Stokdijk, P H C Eilers, C G M Meskers, P M Rozing, T P M Vliet Vlieland*
121 Coexistence of antitopoisomerase I and anticentromere antibodies in patients with systemic sclerosis *T Dick, R Mierau, P Bartz-Bazzanella, M Alavi, M Stoyanova-Scholz, J Kindler, E Genth*
128 Chronic shoulder pain in the community: a syndrome of disability or distress? *L J Badcock, M Lewis, E M Hay, R McCarney, P R Croft*
132 Painful shoulder: comparison of physical examination and ultrasonographic findings *E Naredo, P Aguado, E De Miguel, J Uson, L Mayordomo, J Gijon-Baños, E Martin-Mola*
137 Sialometry and sialochemistry: a non-invasive approach for diagnosing Sjögren's syndrome *W W I Kalk, A Vissink, B Stegenga, H Bootsma, A V Nieuw Amerongen, C G M Kallenberg*
145 Increased bone mineral content and bone size in the femoral neck of men with hip osteoarthritis *J P A Arokoski, M H Arokoski, J S Jurvelin, H J Helminen, L H Niemitukia, H Kröger*
151 Musculoskeletal pain is more generalised among people from ethnic minorities than among white people in Greater Manchester *T R Allison, D P M Symmons, T Brammah, P Haynes, A Rogers, M Roxby, M Urwin*
157 Association of the MIC-A gene and HLA-B51 with Behçet's disease in Arabs and non-Ashkenazi Jews in Israel *R Cohen, S Metzger, M Nahir, T Chajek-Shaul*
161 Increased matrix metalloproteinase-3 serum levels in rheumatic diseases: relationship with synovitis and steroid treatment *C Ribbens, M Martin y Porras, N Franchimont, M-J Kaiser, J-M Jaspar, P Damas, F A Houssiau, M G Malaise*
167 Comparison of soluble adhesion molecules in juvenile idiopathic arthritis between the active and remission stages *C-Y Chen, C-H Tsao, L-S Ou, M-H Yang, M-L Kuo, J-L Huang*

Concise reports
171 Therapeutic use of etanercept in polyarticular course juvenile idiopathic arthritis over a two year period *D A Kietz, P H Pepmueller, T L Moore*
174 Interleukin 13 in synovial fluid and serum of patients with psoriatic arthritis *A Spadaro, T Rinaldi, V Riccieri, G Valesini, E Taccari*
177 Preliminary thermographic evaluation of new nitroglycerine tape on the peripheral circulatory disturbance in systemic sclerosis *C Kan, S Akimoto, M Abe, K Okada, O Ishikawa*
180 Carriers of the aspartylglucosaminuria genetic mutation and chronic arthritis *M Arvio, K Laiho, M Kauppi, M Peippo, P Leino, H Kautiainen, O Kaipiainen-Seppänen, I Mononen*

Matters arising
182 Scoliosis and Trendelenburg sign in a painting by P P Rubens *S E Hansen; J Dequeker*
182 Comparison of WOMAC with SF-36 for OA of the knee or hip *J G Jones, F Leighton; F Angst, A Aeschlimann*

Letters
183 Is pamidronate effective for acute rheumatic pain? *A El-Shafei, T Sheeran, D Mulherin*
183 Antibodies to β_2 glycoprotein I and cardiolipin in SSc *L Schoenroth, M Fritzler, L Lonzetti, J-L Senécal*
185 Recurrence of reactive arthritis after a booster dose of tetanus toxoid *A Kaul, M Adler, F Alokaily, A S M Jawad*
185 Asymptomatic splenic infarction in Wegener's granulomatosis *D Papaioannides, S N Nikas, M Fotinou, N K Akritidis*
186 Two cases of *Mycobacterium avium* septic arthritis *M J Bridges, F McGarry*
187 Successful radiosynoviorthesis of an olecranon bursitis in psoriatic arthritis *M N Berliner, R G Bretzel, R Klett*
188 Multiple sclerosis in the course of systemic sclerosis *E Chroni, C Paschalis, T Stergiou, C Vlahanastasi, A P Andonopoulos*

Correction
189 Heavy cigarette smoking and RA (Masi AT, Aldag JC, Malamet RL. Ann Rheum Dis 2001;60:1154.)
190 Forthcoming events

No 3 MARCH 2002

Page **Leaders**

191 Prophylactic use of antibiotics and immunisations in patients with SLE *W R Gilliland, G C Tsokos*

193 HLA-DR4 and the spondyloarthropathies *J D Taurog*

Review

195 The lung in the antiphospholipid syndrome *G Espinosa, R Cervera, J Font, R A Asherson*

Lesson of the month

199 Erdheim-Chester disease: typical radiological bone features for a rare xanthogranulomatosis *V Breuil, O Brocq, C Pellegrino, A Grimaud, L Euller-Ziegler*

Extended reports

201 The role of HLA genes in familial spondyloarthropathy: a comprehensive study of 70 multiplex families *R Said-Nahal, C Miceli-Richard, C Gautreau, R Tamouza, N Borot, R Porcher, D Charron, M Dougados, M Breban*

207 Repeated infusions of infliximab, a chimeric anti-TNFα monoclonal antibody, in patients with active spondyloarthropathy: one year follow up *E Kruithof, F Van den Bosch, D Baeten, A Herssens, F De Keyser, H Mielants, E M Veys*

213 Differential association of polymorphisms in the TNFα region with psoriatic arthritis but not psoriasis *T Höhler, S Grossmann, B Stradmann-Bellinghausen, W Kaluza, E Reuss, K de Vlam, E Veys, E Märker-Hermann*

219 Psoriatic arthritis: performance of rheumatologists in daily practice *S Gorter, D M F M van der Heijde, S van der Linden, H Houben, J-J Rethans, A J J A Scherpbier, C P M van der Vleuten*

225 The ICIDH-2 as a framework for the assessment of functioning and disability in rheumatoid arthritis *J Fransen, D Uebelhart, G Stucki, T Langenegger, M Seitz, B A Michel for the members of the Swiss Clinical Quality Management in Rheumatoid Arthritis (SCQM)*

232 Spectral analysis of heart rate and blood pressure variability in primary Sjögren's syndrome *P J Barendregt, J H M Tulen, A H van den Meiracker, H M Markusse*

237 Non-invasive measurement of biomechanical skin properties in systemic sclerosis *A Balbir-Gurman, C P Denton, B Nichols, C J Knight, A M Nahir, G Martin, C M Black*

242 Circulating soluble E-selectin in early rheumatoid arthritis: a prospective five year study *A Kuuliala, K Eberhardt, A Takala, H Kautiainen, H Repo, M Leirisalo-Repo*

247 Weather and the pain in fibromyalgia: are they related? *E A Fors, H Sexton*

Concise reports

251 Efficacy of isoniazid prophylaxis in patients with systemic lupus erythematosus receiving long term steroid treatment *S Gaitonde, E Pathan, A Sule, G Mittal, V R Joshi*

254 Soluble tumour necrosis factor receptor treatment does not affect raised transforming growth factor β levels in rheumatoid arthritis *S Drynda, C Kühne, J Kekow*

257 Deficiency of complement-dependent prevention of immune precipitation in systemic sclerosis *G J Arason, Á J Geirsson, R Kolka, T Víkingsdóttir, H Valdimarsson*

261 Correlation between plasma concentrations of calcitonin gene related peptide and pulmonary pressure in patients with systemic sclerosis *I Bartosik, J Eskilsson, R Ekman, A Åkesson, A Scheja*

264 Reactive arthritis following an outbreak of *Salmonella typhimurium* phage type 193 infection *T Hannu, L Mattila, A Siitonen, M Leirisalo-Repo*

267 No changes in the distribution of organisms responsible for septic arthritis over a 20 year period *J J Dubost, M Soubrier, C De Champs, J M Ristori, J L Bussière, B Sauvezie*

270 Factors related to radiological damage in 61 Spaniards with early rheumatoid arthritis *P Richi, A Balsa, S Muñoz-Fernández, V Villaverde, M Fernández-Prada, J L Vicario, E Martín-Mola*

Occasional piece

273 A brief history of spa therapy *A van Tubergen, S van der Linden*

Letters

276 Sonography as a replacement for sialography for the diagnosis of salivary glands affected by Sjögren's syndrome *K Yonetsu, Y Takagi, M Sumi, T Nakamura, K Eguchi*

277 Nail lesions in psoriatic arthritis: recovery with sulfasalazine treatment *J C Gerster, D Hohl*

277 Home sequential high dose intravenous immunoglobulins in systemic autoimmune disease *E Hachulla, A Wibaux, P-Y Hatron, U Michon-Pasturel, V Queyrel, A-L Fauchais, B Devulder, M-N Lefebvre, M Yilmaz*

278 Elastofibroma dorsi *D Pyne, R Mootoo, A Bhanji, S Amin*

279 Olecranon bursitis due to *Candida parapsilosis* in an immunocompetent adult *M Jiménez-Palop, M Corteguera, R Ibáñez, R Serrano-Heranz*

281 Prevalence of allergic respiratory diseases in patients with RA *G Provenzano, G Donato, G Brai, F Rinaldi*

281 Henoch-Schönlein purpura: a possible complication of hepatitis C related liver cirrhosis *D L Madison, E Allen, A Deodhar, L Morrison*

282 Severe aortic regurgitation in RF positive polyarticular JIA *I E M Bultink, W F Lems, B A C Dijkmans, R M van Soesbergen, J Lindeman*

283 Polymyalgia rheumatica and pericardial tamponade *A Brucato, G Brambilla*

283 Remission of Behçet's syndrome with TNFα blocking treatment *M Rozenbaum, I Rosner, E Portnoy*

284 Fatigue and immune activity in Sjögren's syndrome *H I Bax, T M Vriesendorp, C G M Kallenberg, W W I Kalk*

Book review

284 Glucocorticoids *F Buttgereit*

285 Forthcoming events

No 4 APRIL 2002

Page **Leader**

287 Newly diagnosed rheumatoid arthritis *M H Weisman*

Reviews

290 Early referral recommendation for newly diagnosed rheumatoid arthritis: evidence based development of a clinical guide *P Emery, F C Breedveld, M Dougados, J R Kalden, M H Schiff, J S Smolen*

298 Tumour necrosis factor (TNF) in psoriatic arthritis: pathophysiology and treatment with TNF inhibitors *P J Mease*

Lesson of the month

305 Polymyositis as a cause of total gut failure *A J Hughes, I Ferguson, E Rankin, K Kane*

Hypothesis

307 Effect of pregnancy and obstructive jaundice on inflammatory diseases: the work of P S Hench revisited *I Crocker, N Lawson, J Fletcher*

Extended reports

311 Long term anti-tumour necrosis factor α monotherapy in rheumatoid arthritis: effect on radiological course and prognostic value of markers of cartilage turnover and endothelial activation *A A den Broeder, L A B Joosten, T Saxne, D Heinegård, H Fenner, A M M Miltenburg, W L H Frasa, L J van Tits, W A Buurman, P L C M van Riel, L B A van de Putte, P Barrera*

319 Characterisation of size and direction of osteophyte in knee osteoarthritis: a radiographic study *Y Nagaosa, P Lanyon, M Doherty*

325 Bone quality and bone mass as assessed by quantitative ultrasound and dual energy *x* ray absorptiometry in women with rheumatoid arthritis: relationship with quadriceps strength *O R Madsen, O H Sørensen, C Egsmose*

330 Development of a radiographic index to assess the tarsal involvement in patients with spondyloarthropathies *C Pacheco-Tena, J D Londoño, J Cazarín-Barrientos, A Martínez, J Vázquez-Mellado, J F Moctezuma, M A González, C Pineda, M H Cardiel, R Burgos-Vargas*

335 Which patients stop working because of rheumatoid arthritis? Results of five years' follow up in 732 patients from the Early RA Study (ERAS) *A Young, J Dixey, E Kulinskaya, N Cox, P Davies, J Devlin, P Emery, A Gough, D James, P Prouse, P Williams, J Winfield*

341 Review of the function of a telephone helpline in the treatment of outpatients with rheumatoid arthritis *R A Hughes, M E Carr, A Huggett, C E A Thwaites*

346 Influence of prior pregnancies on disease course and cause of death in systemic sclerosis *C M Artlett, M Rasheed, K E Russo-Stieglitz, H H B Sawaya, S A Jimenez*

Concise reports

351 Influence of HLA polymorphism on persistent remission in rheumatoid arthritis *E T H Molenaar, A E Voskuyl, I E van der Horst-Bruinsma, G M Th Schreuder, E Zanelli, B A C Dijkmans*

354 Juvenile idiopathic arthritis (JIA) is primarily associated with HLA-DR8 but not DQ4 on the DR8-DQ4 haplotype *A Smerdel, R Ploski, B Flatø, E Musiej-Nowakowska, E Thorsby, Ø Førre*

358 Anticardiolipin antibodies in rheumatoid patients treated with etanercept or conventional combination therapy: direct and indirect evidence for a possible association with infections *G Ferraccioli, F Mecchia, E Di Poi, M Fabris*

362 Limited polyarteritis nodosa of the male and female reproductive systems: diagnostic and therapeutic approach *M Fraenkel-Rubin, D Ergas, Z M Sthoeger*

365 Prevalence of Behçet's disease in an Arab community in Israel *L Jaber, G Milo, G J Halpern, I Krause, A Weinberger*

367 Rapid detection of autoantibodies to dsDNA with the particle gel immunoassay (ID-PaGIA) *A Seltsam, P Schwind, K Abraham, F Hiepe, S Cygan, I Aebischer, A Salama*

Meeting report

370 Progress towards an OMERACT-ILAR guideline for economic evaluations in rheumatology *S E Gabriel, P Tugwell, M Drummond*

Letters

374 Anticardiolipin antibodies in patients with post-streptococcal reactive arthritis *N Tamura, S Kobayashi, H Hashimoto*

375 Successful treatment of SAPHO syndrome with infliximab: report of two cases *I Olivieri, A Padula, G Ciancio, C Salvarani, L Niccoli, F Cantini*

376 Muscle involvement in childhood sarcoidosis and need for muscle biopsy *A V Ramanan, A D Thimmarayappa, E M Baildam*

377 Fever of unknown origin with seronegative spondyloarthropathy: an atypical manifestation of Whipple's disease *C Várvölgyi, T Bubán, S Szakáll, Z Hargitai, L Galuska, C Jeney, G Kakuk, J Gaál*

379 Synovial fluid neutrophil function in RA: the effect of pregnancy associated proteins *C Belcher, M Doherty, S P M Crouch*

Matters arising

381 Behçet's disease and thrombophilia *G E Ehrlich; M Leiba, Y Sidi, H Gur, A Leiba, M Ehrenfeld*

Book review

381 Treatment of rheumatic diseases: a companion to Kelley's textbook of rheumatology *H Schulze-Koops*

382 Forthcoming events

Echoes

318 Necrotising fasciitis with anti-TNF-α

357 Recognising macrophage activation syndrome

No 5 MAY 2002

Page **Leader**

383 Contraceptives, pregnancy, and RA *A J Silman*

Unusual and memorable

384 Case Number 23: Tuberculous tenosynovitis *U A Walker, J Gutfleisch, H H Peter,*

Lesson of the month

385 Sarcoidosis: TB or not TB? *I Litinsky, O Elkayam, G Flusser, R Segal, M Yaron, D Caspi*

Extended reports

387 Calcium apatite crystals in synovial fluid rice bodies *J Li-Yu, G M Clayburne, M S Sieck, S E Walker, B H Athreya, R J DeHoratius, H R Schumacher Jr*

391 Characterisation of the cell type-specificity of collagenase 3 mRNA expression in comparison with membrane type 1 matrix metalloproteinase and gelatinase A in the synovial membrane in rheumatoid arthritis *P K Petrow, D Wernicke, C Schulze Westhoff, K M Hummel, R Bräuer, J Kriegsmann, E Gromnica-Ihle, R E Gay, S Gay*

398 Clinical, immunological, and immunogenetic aspects of autoantibody production against Ro/SSA, La/SSB and their linear epitopes in primary Sjögren's syndrome (pSS): a European multicentre study *A G Tzioufas, R Wassmuth, U G Dafni, A Guialis, H-J Haga, D A Isenberg, R Jonsson, J R Kalden, H Kiener, C Sakarellos, J S Smolen, N Sutcliffe, C Vitali, E Yiannaki, H M Moutsopoulos*

405 Pregnancy and oral contraceptive use do not significantly influence outcome in long term rheumatoid arthritis *K W Drossaers-Bakker, A H Zwinderman, D van Zeben, F C Breedveld, J M W Hazes*

409 Outcome of a cohort of 300 patients with systemic lupus erythematosus attending a dedicated clinic for over two decades *K E Moss, Y Ioannou, S M Sultan, I Haq, D A Isenberg*

414 Critical illness in systemic lupus erythematosus and the antiphospholipid syndrome *F M K Williams, S Chinn, G R V Hughes, R M Leach*

422 Effect of pain reduction on postural sway, proprioception, and quadriceps strength in subjects with knee osteoarthritis *B S Hassan, S A Doherty, S Mockett, M Doherty*

429 Work status and productivity costs due to ankylosing spondylitis: comparison of three European countries *A Boonen, D van der Heijde, R Landewé, A Spoorenberg, H Schouten, M Rutten-van Mölken, F Guillemin, M Dougados, H Mielants, K de Vlam, H van der Tempel, Sj van der Linden*

438 γδ T cell subsets in patients with arthritis and chronic neutropenia *I Bank, L Cohen, M Mouallem, Z Farfel, E Grossman, A Ben-Nun*

444 Delayed examination of synovial fluid by ordinary and polarised light microscopy to detect and identify crystals *J Gálvez, E Sáiz, L F Linares, A Climent, C Marras, M F Pina, P Castellón*

448 Comparison of rheumatological and gastrointestinal symptoms after infection with *Campylobacter jejuni/coli* and enterotoxigenic *Escherichia coli H Locht, K A Krogfelt*

Concise reports

453 Prevalence of rheumatic diseases in a rheumatological outpatient practice *J Vanhoof, K Declerck, P Geusens*

456 Relationship of hypovitaminosis D and secondary hyperparathyroidism with bone mineral density among UK resident Indo-Asians *E Serhan, M R Holland*

459 Humoral and cell mediated immune response to cow's milk proteins in Behçet's disease *G Triolo, A Accardo-Palumbo, F Dieli, F Ciccia, A Ferrante, E Giardina, G Licata*

463 Obstruction of the pulmonary artery by granulomatous vasculitis: a clinical, morphological, and immunological analysis *G Schett, S Winkler, U Hollenstein, G Amann, M Willheim, M Prokop, W Klepetko, A Becherer, J Smolen, W Graninger*

Rheumatology in history

468 Rheumatism in the early 18th century: a doctor's diary *A Boonen, Sj van der Linden*

Letters

470 Successful use of infliximab in a patient with treatment resistant spondyloarthropathy related uveitis *E Kruithof, P Kestelyn, C Elewaut, D Elewaut, F Van den Bosch, H Mielants, E M Veys, F De Keyser*

471 Incidence of systemic lupus erythematosus among 255 patients with uveitis of unknown origin *J Jiménez-Alonso, M Martin-Armada, M Toribio, M T Herranz-Marin, F Rivera-Civico, F Pérez-Álvarez*

472 Raynaud's phenomenon affecting the tongue of a patient with scleroderma *M J Bridges, C A Kelly*

473 T cell response to human HSP60 and yersinia 19 kDa in ankylosing spondylitis and rheumatoid arthritis: no evidence for a causal role of these antigens in the pathogenesis *J Zou, M Rudwaleit, A Thiel, R Lauster, J Braun, J Sieper*

475 Kikuchi-Fujimoto disease and peripheral arthritis: a first! *L E Graham*

Matters arising

476 Guidelines for the treatment of osteoarthritis *D E Furst, J R Caldwell; M Doherty, M Dougados*

477 Salmonella arteritis *A J Richards; R Mootoo*

477 Rheumatic pneumonia *L R Saraiva; J de la Fuente, A Nodar, A Fernández*

Book review

477 Conquering rheumatoid arthritis. The latest breakthroughs and treatments *E M Veys*

478 Forthcoming events

No 6 JUNE 2002

Page **Leaders**

479 Follow up studies in rheumatoid arthritis *R Landewé, D van der Heijde*

482 Sjögren's syndrome criteria *R Manthorpe*

Lesson of the month

485 Multicentric reticulohistiocytosis: a rare cause of erosive arthropathy of the distal interphalangeal finger joints *D Santilli, A Lo Monaco, P L Cavazzini, F Trotta*

Extended reports

488 Identification of the advanced glycation end products N^{ϵ}-carboxymethyllysine in the synovial tissue of patients with rheumatoid arthritis *S Drinda, S Franke, C C Canet, P Petrow, R Bräuer, C Hüttich, G Stein, G Hein*

493 The value of synovial fluid assays in the diagnosis of joint disease: a literature survey *A Swan, H Amer, P Dieppe*

499 Sarcoid arthritis: clinical characteristics, diagnostic aspects, and risk factors *H Visser, K Vos, E Zanelli, W Verduyn, G M Th Schreuder, I Speyer, F C Breedveld, J M W Hazes*

505 Comparative study of different enzyme immunoassays for measurement of IgM and IgA rheumatoid factors *S Bas, T V Perneger, E Kunzle, T L Vischer*

511 Long term efficacy and safety of cyclosporin versus parenteral gold in early rheumatoid arthritis: a three year study of radiographic progression, renal function, and arterial hypertension *T K Kvien, H K Zeidler, P Hannonen, F A Wollheim, Ø Førre, I Hafström, J P Kaltwasser, M Leirisalo-Repo, B Manger, L Laasonen, H Prestele, P Kurki*

517 Predictors of progression of HRCT diagnosed fibrosing alveolitis in patients with rheumatoid arthritis *J K Dawson, H E Fewins, J Desmond, M P Lynch, D R Graham*

522 Neutrophil CD64 expression: distinguishing acute inflammatory autoimmune disease from systemic infections *E Allen, A C Bakke, M Z Purtzer, A Deodhar*

526 Magnetic resonance imaging in the diagnosis and follow up of Takayasu's arteritis in children *V P R Aluquin, S A Albano, F Chan, C Sandborg, P T Pitlick*

530 Effect of bisphosphonates on cartilage turnover assessed with a newly developed assay for collagen type II degradation products *H J Lehmann, U Mouritzen, S Christgau, P A C Cloos, C Christiansen*

Concise reports

534 Histological assessment of the early enthesitis lesion in spondyloarthropathy *D McGonagle, H Marzo-Ortega, P O'Connor, W Gibbon, P Hawkey, K Henshaw, P Emery*

538 FasL autoantibodies in vasculitis are associated with the presence of anticorneal epithelial antibodies *E Gowen, A B Tullo, J Dixon, P J L Holt, M C Hillarby*

540 Poor accuracy and interobserver reliability of knee arthroscopy measurements are improved by the use of variable angle elongated probes *S P Oakley, I Portek, Z Szomor, A Turnbull, G A C Murrell, B W Kirkham, M N Lassere*

544 Myositis and swollen knees: disease or treatment complication? *I Haq, D A Isenberg*

547 Acute abdominal pain in systemic lupus erythematosus: focus on lupus enteritis (gastrointestinal vasculitis) *C-K Lee, M S Ahn, E Y Lee, J H Shin, Y-S Cho, H K Ha, B Yoo, H-B Moon*

551 Prevalence of spondyloarthritis in Terceira, Azores: a population based study *J Bruges-Armas, C Lima, M J Peixoto, P Santos, D Mendonça, B Martins da Silva, G Herrero-Beaumont, A Calin*

Consensus report

554 Classification criteria for Sjögren's syndrome: a revised version of the European criteria proposed by the American-European Consensus Group *C Vitali, S Bombardieri, R Jonsson, H M Moutsopoulos, E L Alexander, S E Carsons, T E Daniels, P C Fox, R I Fox, S S Kassan, S R Pillemer, N Talal, M H Weisman, and the European Study Group on Classification Criteria for Sjögren's Syndrome*

Letters

559 Safety and efficacy of TNFα blockade in relapsing vasculitis *A D Booth, H J Jefferson, W Ayliffe, P A Andrews, D R Jayne*

560 Anti-tumour necrosis factor monoclonal antibody treatment for ocular Behçet's disease *G Triolo, M Vadalà, A Accardo-Palumbo, A Ferrante, F Ciccia, E Giardina, P Citarrella, G Lodato, G Licata*

561 Is hirudin a potential therapeutic agent for arthritis? *K Scott*

562 Steroid induced psychosis in systemic lupus erythematosus: a possible role of serum albumin level *F López-Medrano, R Cervera, O Trejo, J Font, M Ingelmo*

563 Autoantibodies against C1q: view on association between systemic lupus erythematosus disease manifestation and C1q autoantibodies *D Monova, S Monov, K Rosenova, T Argirova*

565 Silent thyroiditis associated with etanercept in rheumatoid arthritis *E Andrès, F-X Limbach, B Goichot, J Sibilia*

566 Synovial T cell proliferation to the *Yersinia enterocolitica* 19 kDa antigen differentiates yersinia triggered reactive arthritis (ReA) from ReA triggered by other enterobacteria *H Appel, M Rudwaleit, P Wu, M Grolms, J Sieper, A Mertz*

567 Leflunomide and hypertension *B Rozman, S Praprotnik, D Logar, M Tomšič, M Hojnik, M Kos-Golja, R Accetto, P Dolenc*

569 Adhesion molecule expression in the synovial membrane of psoriatic arthritis *V Riccieri, A Spadaro, E Taccari, A Zoppini, E Koo, J Ortutay, M Sesztak, I Markus*

571 Headache as the initial presentation of Wegener's granulomatosis *I G S Lim, P J Spira, H P McNeil*

572 Extremely high dose pravastatin may suppress amyloidogenesis in a mouse model *S Shtrasburg, M Pras, M Lidar, A Livneh*

Matters arising

573 Long acting somatostatin analogue for the treatment of refractory RA *F Koseoglu, T Koseoglu; D Paran, O Elkayam, H Paran, M Yaron, D Caspi*

Notice

574 MSc Programme in Clinical Rheumatology

574 Forthcoming events

Cover story

492 Colchicum autumnale from *Het Cruydtboeck* by Rembertus Dodonaeus *A Boonen, L van de Putte*

No 7 JULY 2002

Page **Leaders**

575 Vaccination and rheumatoid arthritis *J Sibilia, J F Maillefert*

577 Anti-interleukin 1α autoantibodies *P Miossec*

Review

580 Reactive arthritis or chronic infectious arthritis? *J Sibilia, F-X Limbach*

Lesson of the month

588 Shortness of breath in systemic lupus erythematosus: a diagnostic and therapeutic dilemma *F Goldblatt, W Hill, M J Ahern, M D Smith*

Unusual and memorable

590 Case Number 24: Scalp necrosis in giant cell arteritis *F H Khattak*

Extended reports

591 Differential expression patterns of matrix metalloproteinases and their inhibitors during development of osteoarthritis in a transgenic mouse model *H J Salminen, A-M K Säämänen, M N Vankemmelbeke, P K Auho, M P Perälä, E I Vuorio*

598 Autoantibodies against interleukin 1α in rheumatoid arthritis: association with long term radiographic outcome *N A Graudal, M Svenson, U Tarp, P Garred, A-G Jurik, K Bendtzen*

603 Rheumatoid factor measured by fluoroimmunoassay: a responsive measure of rheumatoid arthritis disease activity that is associated with joint damage *E Knijff-Dutmer, W Drossaers-Bakker, A Verhoeven, G van der Sluijs Veer, M Boers, S van der Linden, M van de Laar*

608 Prevalence and clinical significance of anti-cyclic citrullinated peptide antibodies in juvenile idiopathic arthritis *T Avčin, R Cimaz, F Falcini, F Zulian, G Martini, G Simonini, V Porenta-Bešic, G Cecchini, M O Borghi, P L Meroni*

612 How reliably do rheumatologists measure shoulder movement? *J L Hoving, R Buchbinder, S Green, A Forbes, N Bellamy, C Brand, R Buchanan, S Hall, M Patrick, P Ryan, A Stockman*

617 Dynamic load at baseline can predict radiographic disease progression in medial compartment knee osteoarthritis *T Miyazaki, M Wada, H Kawahara, M Sato, H Baba, S Shimada*

Concise reports

623 Safety and efficacy of vaccination against hepatitis B in patients with rheumatoid arthritis *O Elkayam, M Yaron, D Caspi*

626 Laboratory and imaging studies used by French rheumatologists to determine the cause of recent onset polyarthritis without extra-articular manifestations *A Saraux, J F Maillefert, B Fautrel, R M Flipo, O Kaye, P Lafforgue, F Guillemin, E Botton, and the Club Rhumatisme et Inflammation*

630 Practical progress in realisation of early diagnosis and treatment of patients with suspected rheumatoid arthritis: results from two matched questionnaires within three years *D Aletaha, G Eberl, V P K Nell, K P Machold, J S Smolen*

635 Prevalence of hepatitis C virus infection in patients with rheumatoid arthritis *J F Maillefert, G Muller, G Falgarone, J B Bour, D Ratovohery, M Dougados, C Tavernier, M Breban*

638 Decreased flares of rheumatoid arthritis during the first year of etanercept treatment: further evidence of clinical effectiveness in the "real world" *Y Yazici, D Erkan, I Kulman, K Belostocki, M J Harrison*

641 *Helicobacter pylori* does not play a part in the dyspeptic complaints of rheumatology patients receiving long term treatment with non-steroidal anti-inflammatory drugs *X Calvet, J Gratacòs, J Font, M Larrosa, I Sanfeliu, M Roqué*

644 A six year prospective study of a cohort of patients with fibromyalgia *E Baumgartner, A Finckh, C Cedraschi, T L Vischer*

646 Diagnosing patients with longstanding shoulder joint pain *J Nørregaard, M R Krogsgaard, T Lorenzen, E M Jensen*

650 The cervical spine in patients with psoriatic arthritis *K Laiho, M Kauppi*

Letters

653 Peptostreptococcal pericarditis complicating anti-tumour necrosis factor α treatment in rheumatoid arthritis *S Harney, F D O'Shea, O FitzGerald*

654 Alopecia in Wegener's granulomatosis *C Hidalgo-Tenorio, J M Sabio, J Jiménez-Alonso*

655 Paediatric Behçet's disease in France *I Koné-Paut, A Gorchakoff-Molinas, B Weschler, I Touitou*

656 Intra-articular and soft tissue injections: assessment of the service provided by nurses *J Edwards, B Hannah, K Brailsford-Atkinson, T Price, T Sheeran, D Mulherin*

658 Manual jobs increase the risk of patients with ankylosing spondylitis withdrawing from the labour force, also when adjusted for job related withdrawal in the general population *A Boonen, A Chorus, R Landewé, D van der Heijde, H Miedema, H van der Tempel, Sj van der Linden*

659 Breast implants and illness: a model of psychological illness *M Ahern, M Smith, H Chua, P Youssef*

660 Fibromyalgia in patients with rheumatoid arthritis is associated with higher scores of disability *A Naranjo, S Ojeda, F Francisco, C Erausquin, I Rúa-Figueroa, C Rodriguez-Lozano*

661 Shingles following infliximab infusion *D C Baumgart, A U Dignass*

662 Self limiting lupus-like symptoms in patients with parvovirus B19 infection *E Tóvári, I Mezey, K Hedman, L Czirják*

663 Dermatomyositis in a patient with adenocarcinoma of the gall bladder *G Yiannopoulos, P Ravazoula, N Meimaris, M Stavropoulos, A P Andonopoulos*

665 Coincidence of asymptomatic avascular necrosis and fracture of the femoral neck: a rare combination of glucocorticoid induced side effects *K Loddenkemper, C Perka, G-R Burmester, F Buttgereit*

Matters arising

667 Soluble TNF receptor treatment does not affect raised TGFβ levels in RA *R Cuchacovich, L R Espinoza; S Drynda, J Kekow, D Koczan, H-J Thiesen*

667 Usefulness of bone densitometry in postmenopausal women with clinically diagnosed vertebral fractures *K Moss, R Keen; J M Nolla*

668 Infection and SLE *A L Hepburn, K A Davies; W R Gilliland, G C Tsokos*

669 Was it a case of Takayasu arteritis? *M D Smith; S S Kiliç*

670 Forthcoming events

No 8 AUGUST 2002

Page **Leaders**

671 A profibrotic polymorphism (of TGFβ1) in systemic sclerosis *J P Pandey, E C LeRoy*

673 Muscle, exercise and arthritis *M V Hurley*

Lesson of the month

676 Recurrent fevers in the presence of multiple autoimmune diseases and antibody deficiency *E Drewe, A P Huissoon, M J Thomas, P C Lanyon, R J Powell*

Extended reports

678 Analysis of transforming growth factor β1 gene polymorphisms in patients with systemic sclerosis *A Crilly, J Hamilton, C J Clark, A Jardine, R Madhok*

682 Renal functional reserve is impaired in patients with systemic sclerosis without clinical signs of kidney involvement *R Livi, L Teghini, A Pignone, S Generini, M Matucci-Cerinic, M Cagnoni*

687 Investigation of hip abductor activation in subjects with clinical unilateral hip osteoarthritis *K J Sims, C A Richardson, S G Brauer*

693 Employment perspectives of patients with ankylosing spondylitis *A M J Chorus, A Boonen, H S Miedema, Sj van der Linden*

700 One year outcome of undifferentiated polyarthritis *L M A Jansen, D van Schaardenburg, I E van der Horst-Bruinsma, B A C Dijkmans*

704 Interleukin 17 induces cartilage collagen breakdown: novel synergistic effects in combination with proinflammatory cytokines *P J Koshy, N Henderson, C Logan, P F Life, T E Cawston, A D Rowan*

714 Effect of HLA-B and HLA-DR genes on susceptibility to and severity of spondyloarthropathies in Mexican patients *G Vargas-Alarcón, J D Londoño, G Hernández-Pacheco, C Pacheco-Tena, E Castillo, M H Cardiel, J Granados, R Burgos-Vargas*

718 Standardised nomenclature for glucocorticoid dosages and glucocorticoid treatment regimens: current questions and tentative answers in rheumatology *F Buttgereit, J A P da Silva, M Boers, G-R Burmester, M Cutolo, J Jacobs, J Kirwan, L Köhler, P van Riel, T Vischer, J W J Bijlsma*

Concise reports

723 Anti-tumour necrosis factor (TNF) α treatment of rheumatoid arthritis (infliximab) selectively down regulates the production of interleukin (IL) 18 but not of IL12 and IL13 *V Pittoni, M Bombardieri, F R Spinelli, R Scrivo, C Alessandri, F Conti, A Spadaro, G Valesini*

726 Serum interleukin 18 and interleukin 18 binding protein in rheumatoid arthritis *B Bresnihan, P Roux-Lombard, E Murphy, D Kane, O FitzGerald, J-M Dayer*

730 Addition of interleukin 1 (IL1) and IL17 soluble receptors to a tumour necrosis factor α soluble receptor more effectively reduces the production of IL6 and macrophage inhibitory protein-3α and increases that of collagen in an in vitro model of rheumatoid synoviocyte activation *G Chevrel, P Garnero, P Miossec*

734 An eight year prospective study of outcome prediction by antiperinuclear factor and antikeratin antibodies at onset of rheumatoid arthritis *S Genevay, G Hayem, P Verpillat, O Meyer*

737 Histamine stimulates matrix metalloproteinase-3 and -13 production by human articular chondrocytes in vitro *L C Tetlow, D E Woolley*

741 Expression of ferritin, transferrin receptor, and non-specific resistance associated macrophage proteins 1 and 2 (Nramp1 and Nramp2) in the human rheumatoid synovium *J F Telfer, J H Brock*

745 Genetic testing for haemochromatosis in patients with chondrocalcinosis *A E Timms, R Sathananthan, L Bradbury, N A Athanasou, M A Brown*

748 Patients with systemic lupus erythematosus show a normal responsive search score in exploratory eye movement analysis: comparison with schizophrenia *Y Matsukawa, S Takahashi, M Aoki, K Yamakami, S Nishinarita, T Horie, Y Fukura, E Tanabe, K Yara, M Matsuura, T Kojima*

Letters

751 Necrotising myositis in Behçet's disease: characteristic features on magnetic resonance imaging and a review of the literature *H Sarui, T Maruyama, I Ito, N Yamakita, N Takeda, M Nose, K Yasuda*

753 Systemic lupus erythematosus with haemophagocytosis and severe liver disorder *E Maeshima, T Kobayashi, M Mune, S Yukawa*

754 Ultrastructural study of the muscle coat of the gastric wall in a case of systemic sclerosis *L Ibba-Manneschi, A Del Rosso, S Pacini, A Tani, P Bechi, M Matucci Cerinic*

756 Relapse of rheumatoid arthritis after substitution of oral for parenteral administration of methotrexate *A Rozin, D Schapira, A Balbir-Gurman, Y Braun-Moscovici, D Markovits, D Militianu, M A Nahir*

758 Spontaneous spondylodiscitis caused by *Klebsiella oxytoca J M Sabio, M López-Gómez, J Jiménez-Alonso*

759 Elderly onset isolated B27 associated dactylitis *A Padula, V Giasi, I Olivieri*

760 Poor predictive value of antinucleosome and antineutrophil cytoplasmic antibodies in a 270 inception cohort of patients with early naked arthritis of less than one year's duration *J-M Berthelot, A Saraux, M Audrain, P Le Goff, M Hamidou, J-Y Muller, P Youinou*

761 Cogan's syndrome with antineutrophil cytoplasmic autoantibody *M Ikeda, H Okazaki, S Minota*

763 Haemochromatosis arthropathy and repetitive trauma *C Morgan, D Smith*

Matters arising

764 Role of HLA genes in familial spondyloarthropathy *M A Brown, A M Crane, B P Wordsworth; R Said-Nahal, C Miceli-Richard, M Breban*

Book reviews

765 Disease modifying therapy in vasculitides *P A Bacon*

765 Vasculitis *A Wiik*

670 Forthcoming events

Echo

722 Keeping up appearances

No 9 SEPTEMBER 2002

Page **Leaders**

767 Key questions concerning paracetamol and NSAIDs for osteoarthritis *P Courtney, M Doherty*

Extended reports

774 Abnormal regional cerebral blood flow on ^{99m}Tc ECD brain SPECT in patients with primary Sjögren's syndrome and normal findings on brain magnetic resonance imaging *C P Chang, Y C Shiau, J J Wang, S T Ho, A Kao*

779 T cell reactivity against the $SmD1_{83-119}$ C terminal peptide in patients with systemic lupus erythematosus *G Riemekasten, C Weiss, S Schneider, A Thiel, A Bruns, F Schumann, S Bläss, G-R Burmester, F Hiepe*

786 Fcγ receptor IIa, IIIa, and IIIb polymorphisms in German patients with systemic lupus erythematosus: association with clinical symptoms *K Manger, R Repp, M Jansen, M Geisselbrecht, R Wassmuth, N A C Westerdaal, A Pfahlberg, B Manger, J R Kalden, J G J van de Winkel*

793 Etanercept, infliximab, and leflunomide in established rheumatoid arthritis: clinical experience using a structured follow up programme in southern Sweden *P Geborek, M Crnkic, I F Petersson, T Saxne for the South Swedish Arthritis Treatment Group*

799 Reliability of self assessed joint counts in ankylosing spondylitis *A Spoorenberg, D van der Heijde, M Dougados, K de Vlam, H Mielants, H van de Tempel, S van der Linden*

804 Soluble adhesion molecules (ICAM-1, VCAM-1, and E-selectin) and vascular endothelial growth factor (VEGF) in patients with distinct variants of rheumatoid synovitis *P A Klimiuk, S Sierakowski, R Latosiewicz, J P Cylwik, B Cylwik, J Skowronski, J Chwiecko*

810 Lifelong voluntary joint loading increases osteoarthritis in mice housing a deletion mutation in type II procollagen gene, and slightly also in non-transgenic mice *T Lapveteläinen, M M Hyttinen, A-M Säämänen, T Långsjö, J Sahlman, S Felszeghy, E Vuorio, H J Helminen*

Concise reports

818 Living with rheumatoid arthritis: expenditures, health status, and social impact on patients *H M Lapsley, L M March, K L Tribe, M J Cross, B G Courtenay, P M Brooks, for the Arthritis Cost and Outcome Project Group*

822 Infliximab treatment in combination with cyclosporin A in patients with severe refractory rheumatoid arthritis *T I Temekonidis, A N Georgiadis, Y Alamanos, D V Bougias, P V Voulgari, A A Drosos*

826 Transforming growth factor β1 gene polymorphism in rheumatoid arthritis *Y Sugiura, T Niimi, S Sato, T Yoshinouchi, S Banno, T Naniwa, H Maeda, S Shimizu, R Ueda*

829 Total abrogation of collagen II-induced arthritis and the B cell response to type II collagen using suboptimal doses of a topoisomerase II antagonist *M Verdrengh, I-M Jonsson, O Zaether, E Bajtner, R Holmdahl, A Tarkowski*

832 Reduction of jaw opening (trismus) in giant cell arteritis *R Nir-Paz, A Gross, T Chajek-Shaul*

834 Thrombin-induced expression of RANTES mRNA through protease activated receptor-1 in human synovial fibroblasts *F Hirano, A Kobayashi, Y Hirano, Y Nomura, E Fukawa, I Makino*

838 Kinetics of hepatitis C (HCV) viraemia and quasispecies during treatment of HCV associated cryoglobulinaemia with pulse cyclophosphamide *J Thiel, T Peters, A Mas Marques, B Rösler, H H Peter, S M Weiner*

842 Differences in autoantibody response to Th/To between systemic sclerosis and other autoimmune diseases *M Kuwana, K Kimura, M Hirakata, Y Kawakami, Y Ikeda*

Letters

847 Tenosynovitis with acute onset: unexpected giant cell tumour of the tendon sheath *E Kruithof, D Baeten, P Dierckxsens, E M Veys, F De Keyser*

848 Fulminant necrotising fasciitis developing during long term corticosteroid treatment of systemic lupus erythematosus *N Hashimoto, H Sugiyama, K Asagoe, K Hara, O Yamasaki, Y Yamasaki, H Makino*

849 Repeated arthralgia associated with granulocyte colony stimulating factor administration *A Tsukadaira, Y Okubo, S Takashi, H Kobayashi, K Kubo*

850 Severe skin reaction after leflunomide and entanercept in a patient with rheumatoid arthritis *F Soliotis, M Glover, A S M Jawad*

852 Clinical, radiographic, and thermographic assessment of osteoarthritis in the knee joints *H Warashina, Y Hasegawa, H Tsuchiya, S Kitamura, K-I Yamauchi, Y Torii, M Kawasaki, S Sakano*

854 CD5+ B cells and uveitis *J Jiménez-Alonso, M Omar, M A López-Nevot, F Pérez-Álvarez, M Toribio, C Hidalgo, J M Sabio*

855 Absence of human parvovirus B19 DNA in myoepithelial sialadenitis of primary Sjögren's syndrome *V De Re, S De Vita, V Battistella, A Marzotto, M Libra, G Ferraccioli, M Boiocchi*

857 Spectrum of psoriatic spondyloarthropathy in a cohort of 100 Spanish patients *R Queiro, C Sarasqueta, J C Torre, Tinturé, I López-Lagunas*

Matters arising

859 Which patients stop working because of RA? *E M Shanahan, M J Ahern, M D Smith; A Young*

859 Adults onset Still's disease: response to Enbrel *R A Asherson, L Pascoe; H G Kraetsch, B Manger*

Book review

861 Epidemiology of the rheumatic diseases *F Guillemin*

Notice

861 Carol-Nachman Prize and Carol-Nachman Medal 2002

862 Forthcoming events

No 10 OCTOBER 2002

Page **Leaders**

863 Treating human autoimmune disease by depleting B cells *R J Looney*

867 Imaging of the hand and wrist in RA *B Taouli, A Guermazi, K E Sack, H K Genant*

Extended reports

870 Interleukin 17 synergises with tumour necrosis factor α to induce cartilage destruction in vitro *R L van Bezooijen, L van der Wee-Pals, S E Papapoulos, C W G M Löwik*

877 Power Doppler sonography in the assessment of synovial tissue of the knee joint in rheumatoid arthritis: a preliminary experience *M Carotti, F Salaffi, P Manganelli, D Salera, B Simonetti, W Grassi*

883 Clinical outcome in 22 patients with rheumatoid arthritis treated with B lymphocyte depletion *M J Leandro, J C W Edwards, G Cambridge*

889 Mortality in patients with rheumatoid arthritis treated actively from the time of diagnosis *R Peltomaa, L Paimela, H Kautiainen, M Leirisalo-Repo*

895 Prospective two year follow up study comparing novel and conventional imaging procedures in patients with arthritic finger joints *M Backhaus, G R Burmester, D Sandrock, D Loreck, D Hess, A Scholz, S Blind, B Hamm, M Bollow*

905 Ultrasonography of entheseal insertions in the lower limb in spondyloarthropathy *P V Balint, D Kane, H Wilson, I B McInnes, R D Sturrock*
911 Annual incidence of inflammatory joint diseases in a population based study in southern Sweden *M K Söderlin, O Börjesson, H Kautiainen, T Skogh, M Leirisalo-Repo*
916 Synovial macrophage-osteoclast differentiation in inflammatory arthritis *L Danks, A Sabokbar, R Gundle, N A Athanasou*

Concise reports

922 Treatment of refractory antibody mediated autoimmune disorders with an anti-CD20 monoclonal antibody (rituximab) *K Arzoo, S Sadeghi, H A Liebman*
925 Effect of bisphosphonates on viability, proliferation, and dexamethasone-induced apoptosis of articular chondrocytes *J F Van Offel, A J Schuerwegh, C H Bridts, W J Stevens, L S De Clerck*
929 Anti-Ro52 reactivity is an independent and additional serum marker in connective tissue disease *I Poene, L Meheus, S De Keyser, R Humbel, E M Veys, F De Keyser*
934 Low levels of apoptosis and high FLIP expression in early rheumatoid arthritis synovium *A I Catrina, A K Ulfgren, S Lindblad, L Grondal, L Klareskog*

Letters

937 Systemic sclerosis following human cytomegalovirus infection *C Ferri, M Cazzato, D Giuggioli, M Sebastiani, C Magro*
938 A case of orbital myositis associated with rheumatoid arthritis *S Nabili, D W McCarey, B Browne, H A Capell*
939 Stiff man syndrome presenting with low back pain *A Bastin, V Gurmin, R Medizwake, J Gibbs, H Beynon*
941 A 26 week randomised, double blind, placebo controlled exploratory study of sulfasalazine in juvenile onset spondyloarthropathies *R Burgos-Vargas, J Vázquez-Mellado, C Pacheco-Tena, A Hernández-Garduño, M V Goycochea-Robles*
942 Leflunomide decreases joint erosions and induces reparative changes in a patient with psoriatic arthritis *M Cuchacovich, L Soto*
944 Stress fracture of base of the acromion *N Roy, M G Smith, L G H Jacobs*
945 α, Antitrypsin deficiency in a patient with systemic vasculitis and primary Sjögren's syndrome *F D Lindström, T Skogh, I M C Lundström*

Matters arising

947 Steroids cause osteoporosis *M-M Gordon, S Stevenson, J A Hunter; B Gudbjornsson, U I Juliusson, F V Gudjonsson*
948 Sjögren's syndrome criteria *M M Zandbelt, F H J van den Hoogen; R Manthorpe*
949 A brief history of spa therapy *T Bender, P V Balint, G P Balint; A van Tubergen, Sj van der Linden*

Book review

950 Pathological basis of orthopaedic and rheumatic disease *C A Seemayer, R E Gay, S Gay*
950 Forthcoming events

Online submission

882 New ARD online submission and review system

Echo

888 Impartial investigations identify wayward walking

No 11 NOVEMBER 2002

Page **Leaders**
951 Th2 mediated regulation in RA and the spondyloarthropathies *J A G van Roon, J W J Bijlsma*
955 Rheumatoid arthritis in women: still associated with an increased mortality *N Goodson, D Symmons*
957 MMPs and rheumatoid synovial fibroblasts: Siamese twins in joint destruction? *U Müller-Ladner, S Gay*

Review

960 Potential therapeutic uses of interleukin 1 receptor antagonists in human diseases *D S Hallegua, M H Weisman*

Extended reports

968 Atopic disorders in ankylosing spondylitis and rheumatoid arthritis *M Rudwaleit, B Andermann, R Alten, H Sörensen, J Listing, A Zink, J Sieper, J Braun*
975 Invasive properties of fibroblast-like synoviocytes: correlation with growth characteristics and expression of MMP-1, MMP-3, and MMP-10 *T C A Tolboom, E Pieterman, W H van der Laan, R E M Toes, A L Huidekoper, R G H H Nelissen, F C Breedveld, T W J Huizinga*
981 Increased serum cartilage oligomeric matrix protein levels and decreased patellar bone mineral density in patients with chondromalacia patellae *E Murphy, O FitzGerald, T Saxne, B Bresnihan*
986 Measuring the meaning of disability in rheumatoid arthritis: the Personal Impact Health Assessment Questionnaire (PI HAQ) *S Hewlett, A P Smith, J R Kirwan*
994 Mortality risk associated with rheumatoid arthritis in a prospective cohort of older women: results from the Iowa Women's Health Study *T R Mikuls, K G Saag, L A Criswell, L A Merlino, R A Kaslow, B J Shelton, J R Cerhan*
1000 The influence of negative illness cognitions and neuroticism on subjective symptoms and mood in rheumatoid arthritis *L-O Persson, D Sahlberg*
1007 Assessing periarticular bone mineral density in patients with early psoriatic arthritis or rheumatoid arthritis *B J Harrison, C E Hutchinson, J Adams, I N Bruce, A L Herrick*
1012 Infectious background of patients with a history of acute anterior uveitis *M Huhtinen, K Laasila, K Granfors, M Puolakkainen, I Seppälä, L Laasonen, H Repo, A Karma, M Leirisalo-Repo*

Concise reports

1017 Socioeconomic and psychosocial factors influence pain or physical function in Asian patients with knee or hip osteoarthritis *J Thumboo, L-H Chew, S-C Lewin-Koh, for the National Arthritis Foundation and Nanyang Polytechnic, Singapore*

1021 The F158V polymorphism in FcγRIIIA shows disparate associations with rheumatoid arthritis in two genetically distinct populations *A Milicic, R Misra, S Agrawal, A Aggarwal, M A Brown, B P Wordsworth*
1024 Association of systemic lupus erythematosus and hypermobility *M Gumà, A Olivé, J Roca, J Forcada, J C Duró, S Holgado, E Casado, X Mezquiriz, X Tena*
1027 Modulation of cell recruitment by anti-inflammatory agents in antigen-induced arthritis *M J López-Armada, O Sánchez-Pernaute, R Largo, I Diez-Ortego, I Palacios, J Egido, G Herrero-Beaumont*

Unusual and memorable
1030 Case Number 25: A butterfly rash *J M G Canvin S Silver*

Letters
1031 New onset systemic lupus erythematosus in a patient receiving etanercept for rheumatoid arthritis *A P Cairns, M K J Duncan, A E Hinder, A J Taggart*
1032 Biochemical and morphological study of human articular chondrocytes cultivated in the presence of pulsed signal therapy *A Fioravanti, F Nerucci, G Collodel, R Markoll, R Marcolongo*
1034 Ultrasonographic diagnosis of de Quervain's tenosynovitis *M Kamel, K Moghazy, H Eid, R Mansour*
1035 Diagnosis of Takayasu's arteritis by unexpected findings on abdominal CT scan *A Muthumala, D S Appleton, J S H Gaston*
1036 Is soluble CD44 variant isoform 5 useful as a predicting factor and a parameter for long term observation in rheumatoid arthritis? *M Skoumal, G Kolarz, G Haberhauer, J Feyertag, A Wottawa*

Matters arising
1038 Presence of antinuclear antibodies and coronary heart disease *I Brusca, F M Sarullo, M Fazio; D J Grainger*

Notice
1038 Carol Nachman Award for Rheumatology 2003

Online submission
999 New ARD online submission and review system

Echoes
974 Methotrexate depresses immunoglobulins in children
1006 The impact of physical and psychological stress at work

No 12 DECEMBER 2002

Page **Leader**
1039 Microchimerism in Sjögren's syndrome *R Giacomelli, M Matucci-Cerinic, S Bombardieri*

Extended reports
1041 Detection of maternal-fetal microchimerism in the inflammatory lesions of patients with Sjögren's syndrome *M Kuroki, A Okayama, S Nakamura, T Sasaki, K Murai, R Shiba, M Shinohara, H Tsubouchi*
1047 Receptor activator NF-κB ligand (RANKL) expression in synovial tissue from patients with rheumatoid arthritis, spondyloarthropathy, osteoarthritis, and from normal patients: semiquantitative and quantitative analysis *T N Crotti, M D Smith, H Weedon, M J Ahern, D M Findlay, M Kraan, P P Tak, D R Haynes*
1055 Ten year outcome in a cohort of patients with early rheumatoid arthritis: health status, disease process, and damage *E Lindqvist, T Saxne, P Geborek, K Eberhardt*
1060 Purine enzymes in patients with rheumatoid arthritis treated with methotrexate *A E van Ede, R F J M Laan, R A De Abreu, A B J Stegeman, L B A van de Putte*
1065 Definition of risk factors for death, end stage renal disease, and thromboembolic events in a monocentric cohort of 338 patients with systemic lupus erythematosus *K Manger, B Manger, R Repp, M Geisselbrecht, A Geiger, A Pfahlberg, T Harrer, J R Kalden*
1071 Chronic widespread pain in the population: a seven year follow up study *A C Papageorgiou, A J Silman, G J Macfarlane*
1075 Rhythmic variations in pain, stiffness, and manual dexterity in hand osteoarthritis *N Bellamy, R B Sothern, J Campbell, W W Buchanan*
1081 Investigation of chromosome 2q in osteoarthritis of the hand: no significant linkage in a Tasmanian population *J Stankovich, M M Sale, H M Cooley, M Bahlo, A Reilly, J L Dickinson, G Jones*
1085 Clinical decision rules in rheumatoid arthritis: do they identify patients at high risk for osteoporosis? Testing clinical criteria in a population based cohort of patients with rheumatoid arthritis recruited from the Oslo Rheumatoid Arthritis Register *G Haugeberg, R E Ørstavik, T Uhlig, J A Falch, J I Halse, T K Kvien*
1090 Diagnostic associations in a large and consecutively identified population positive for anti-SSA and/or anti-SSB: the range of associated diseases differs according to the detailed serotype *I Peene, L Meheus, E M Veys, F De Keyser*
1095 Loss of transforming growth factor counteraction on interleukin 1 mediated effects in cartilage of old mice *A Scharstuhl, H M van Beuningen, E L Vitters, P M van der Kraan, W B van den Berg*

Concise reports
1099 A comparison between the Farr radioimmunoassay and a new automated fluorescence immunoassay for the detection of antibodies against double stranded DNA in serum *R H W M Derksen, E J E G Bast, T Strooisma, J W G Jacobs*
1103 Reliability of the Southampton examination schedule for the diagnosis of upper limb disorders in the general population *K Walker-Bone, P Byng, C Linaker, I Reading, D Coggon, K T Palmer, C Cooper*
1107 Magnetic resonance imaging of skeletal muscle involvement in limb restricted vasculitis *S Gallien, A Mahr, F Réty, M Kambouchner, F Lhote, P Cohen, L Guillevin*

Letters
1110 Polymyositis with cardiac manifestations and unexpected immunology *I Morrison, A McEntegart, H Capell*
1111 Eosinophilic fasciitis with multiple myeloma: a new haematological association *D Khanna, A Verity, J M Grossman*
1113 Dust exposure: a missed environmental factor of Wegener's granulomatosis *B Granel, J Serratrice, P Disdier, S Abdul, R Gras, F Martin, L Swiader, P-J Weiller*
1114 Spinal cord stimulation in Buerger's disease *A V Pace, N Saratzis, D Karokis, D Dalainas, G D Kitas*

EULAR news
1115 Standing Committee on Epidemiology and Health Services Research *S van der Linden*
1116 Health Professionals Standing Committee *N Price*

Matters arising
1117 Probable adverse effects of long term use of somatostatin analogues in patients with RA *S Marcora, A Lemmey, P Maddison; D Paran, O Elkayam*
1117 Forthcoming events

Online submission
1054 New ARD online submission and review system
1118 Subject index
1133 Author index
Contents

Supplement No I 2002 EULAR Abstracts CD

Supplement No II 2002 Page Advances in targeted therapies IV: Proceedings of the Fourth International Symposium, Mandelieu, France

Preface
ii1 Advances in targeted therapies IV *F C Breedveld, J R Kalden, J S Smolen*

Consensus statement
ii2 Updated consensus statement on biological agents for the treatment of rheumatoid arthritis and other rheumatic diseases (May 2002) *D E Furst, F C Breedveld, J R Kalden, J S Smolen, C E Antoni, J W J Bijlsma, G R Burmester, B Cronstein, E C Keystone, A Kavanaugh, L Klareskog*

New targets
ii8 Subversion of the innate immune response by micro-organisms *B Fernie-King, D J Seilly, A Davies, P J Lachmann*
ii13 Is NF-κB a useful therapeutic target in rheumatoid arthritis? *M Feldmann, E Andreakos, C Smith, J Bondeson, S Yoshimura, S Kiriakidis, C Monaco, C Gasparini, S Sacre, A Lundberg, E Paleolog, N J Horwood, F M Brennan, B M J Foxwell*
ii19 Orally administered RDP58 reduces the severity of dextran sodium sulphate induced colitis *R Boismenu, Y Chen, K Chou, A El-Sheikh, R Buelow*
ii25 Balancing the immune system: Th1 and Th2 *W van Eden, R van der Zee, P van Kooten, S E Berlo, P M Cobelens, A Kavelaars, C J Heijnen, B Prakken, S Roord, S Albani*
ii29 Mesenchymal stem cells. A potential source for skeletal repair *W E Fibbe*
ii32 Role of RANKL and RANK in bone loss and arthritis *D Holstead Jones, Y-Y Kong, J M Penninger*
ii40 Functions of AP1 (Fos/Jun) in bone development *E F Wagner*
ii43 Treatments no longer in development for rheumatoid arthritis *E Keystone*

New look at target diseases
ii46 Complement activation as a mediator of antiphospholipid antibody induced pregnancy loss and thrombosis *J E Salmon, G Girardi, V M Holers*
ii51 Behçet's disease: a new target for anti-tumour necrosis factor treatment *P P Sfikakis*

Safety issues: tuberculosis
ii54 Protection against tuberculosis: cytokines, T cells, and macrophages *S H E Kaufmann*
ii59 Epidemiology, diagnostic possibilities, and treatment of tuberculosis *R Kurth, W H Haas*
ii62 Preliminary guidelines for diagnosing and treating tuberculosis in patients with rheumatoid arthritis in immunosuppressive trials or being treated with biological agents *D E Furst, J Cush, S Kaufmann, J Siegel, R Kurth*

Clinical and radiological aspects of biologics
ii64 Using estimated yearly progression rates to compare radiographic data across recent randomised controlled trials in rheumatoid arthritis *V Strand, R Landewé, D van der Heijde*
ii67 Infliximab treatment for rheumatic disease: clinical and radiological efficacy *E W St Clair*
ii70 Adalimumab (a fully human anti-tumour necrosis factor α monoclonal antibody) in the treatment of active rheumatoid arthritis: the initial results of five trials *R Rau*
ii74 Effects of anakinra on clinical and radiological outcomes in rheumatoid arthritis *B Bresnihan*

Molecular mechanisms of cartilage and bone destruction
ii78 Type II collagen degradation and its regulation in articular cartilage in osteoarthritis *A R Poole, M Kobayashi, T Yasuda, S Laverty, F Mwale, T Kojima, T Sakai, C Wahl, S El-Maadawy, G Webb, E Tchetina, W Wu*
ii82 Tumour necrosis factor superfamily cytokines and the pathogenesis of inflammatory osteolysis *J Lam, Y Abu-Amer, C A Nelson, D H Fremont, F P Ross, S L Teitelbaum*
ii84 Bone destruction in arthritis *E M Gravallese*
ii87 Cartilage destruction in rheumatoid arthritis *S Gay, S Kuchen, R E Gay, M Neidhart*

Regulatory aspects
ii88 Pharmacovigilance: towards a better understanding of the benefit to risk ratio *L S Simon*
ii90 Weight and consequences of post-marketing (-approval) experience *G Kreutz*
ii92 The National Institute for Clinical Excellence (NICE) *A-T Rodgers*

Co-stimulatory molecules
ii96 Integrin alpha V beta 3 as a target for treatment of rheumatoid arthritis and related rheumatic diseases *R L Wilder*
ii100 Role of interleukin 15 and interleukin 18 in inflammatory response *F Y Liew, I B McInnes*

Online submission
ii103 New ARD online submission and review system

Supplement No III 2002

Page New Treatment Strategies in Ankylosing Spondylitis: Proceedings of the Ankylosing Spondylitis Workshop, Berlin, Germany, 18–19 January 2002

Preface

iii1 New treatment strategies in ankylosing spondylitis: Proceedings of the Ankylosing Spondylitis Workshop, Berlin, Germany, 18–19 January 2002 *J Sieper, J Braun*

Extended reports

iii3 Ankylosing spondylitis: introductory comments on its diagnosis and treatment *M A Khan*

iii8 Ankylosing spondylitis: an overview *J Sieper, J Braun, M Rudwaleit, A Boonen, A Zink*

iii19 Staging of patients with ankylosing spondylitis: a preliminary proposal *J Braun, D van der Heijde, M Dougados, P Emery, M A Khan, J Sieper, Sj van der Linden*

iii24 Treatment trials in ankylosing spondylitis: current and future considerations *D van der Heijde, J Braun, D McGonagle, J Siegel*

iii33 Juvenile onset spondyloarthropathies: therapeutic aspects *R Burgos-Vargas*

iii40 Conventional treatments for ankylosing spondylitis *M Dougados, B Dijkmans, M Khan, W Maksymowych, Sj van der Linden, J Brandt*

iii51 Anti-tumour necrosis factor α therapy for ankylosing spondylitis: international experience *J Braun, J Sieper, M Breban, E Collantes-Estevez, J Davis, R Inman, H Marzo-Ortega, H Mielants*

iii61 Building consensus on nomenclature and disease classification for ankylosing spondylitis: results and discussion of a questionnaire prepared for the International Workshop on New Treatment Strategies in Ankylosing Spondylitis, Berlin, Germany, 18–19 January 2002 *J Braun, J Sieper*

Online submission

iii68 New ARD online submission and review system